

for the exact purpose of distinguishing differences between inbreds that the use of significance verse probability is not an issue. The specification and the understanding of the ordinarily skilled person in the art support the language. Thus rejection to the claims containing this language should be withdrawn.

The remaining claims are believed now to be in a condition for allowance.

Respectfully submitted,

A handwritten signature in cursive script, reading "Dana Rewoldt", written over a horizontal line.

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AMENDED SPECIFICATION (page 20)

6 DISEASE RESISTANCE IN INBRED G4901

Eye Spot = 5.1

Gross wilt = 4

Northern leaf blight = 1.0

#7 INSECT RESISTANCE IN INBRED

ECB1 = 6.75

ECB2 = 4.76119

Ear rate = 3.50000

[#8] The comparable inbred to G4901 is UO95, an inbred having a number of similarities. UO95 is an inbred, which has been or is presently in a number of commercial hybrids that are in a similar region of adaptation as most of the hybrids formed with G4901.

The Munsell code is a reference book of color, which is known and used in the industry and by persons with ordinary skill in the art of plant breeding.

The purity and homozygosity of inbred G4901 is constantly being tracked using isozyme genotypes as shown in Table 2.

Isozyme Genotypes for G4901

Isozyme data were generated for inbred corn line G4901 according to procedures known and published in the art. The data in Table 2 gives the electrophoresis data on G4901 as compared to its two parents.

TABLE 2
ELECTROPHORESIS RESULTS FOR G4901

| INBRED | ACP1 | ACP4 | ADH | MDH1 | MDH2 | PGD1 | PGD2 | PHI | PGM | IDH |
|--------|------|------|-----|------|------|------|------|-----|-----|-----|
| G4901 | 11 | 00 | 22 | 22 | 11 | 11 | 11 | 22 | 22 | 22 |